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QUEEN THOMAS Queen Thomas
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PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Andrew David Carlson, et al.)
For : Activated protein C)
formulations)
Docket No. : X-11408C)

INFORMATION DISCLOSURE STATEMENT

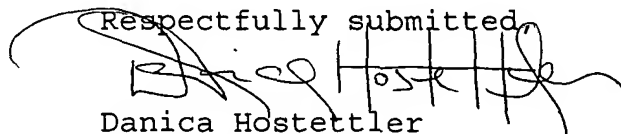
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure, Applicants submit an "Information Disclosure Citation In An Application" on a Form PTO-1449 (modified) and provide a copy of each of the listed documents for consideration by the Examiner.

Since this Statement is being filed in accordance with 37 C.F.R. §1.97(b), Applicants submit that no additional fee is required.

Applicants request consideration of this information.

Respectfully submitted,

Danica Hostettler
Agent for Applicants
Registration No. 51,820
Phone: 317-276-3711

Eli Lilly and Company
Patent Division
P.O. Box 6288
Indianapolis, Indiana 46206-6288

August 6, 2003

FORM PTO 1449 (modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Atty. Docket No. X-11408C	Serial No
	Applicants Andrew David Carlson, et al.	
	Filing Date	Group

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US 4,775,624	10/04/1988	Bang, et al.	
	AB	US 4,849,403	07/18/1989	Stocker, et al.	
	AC	US 4,877,608	10/31/1989	Lee, et al.	
	AD	US 4,981,952	01/01/1991	Yan	
	AE	US 4,992,373	02/12/1991	Bang, et al.	
	AF	US 5,084,273	01/1992	Hirahara	
	AG	US 5,093,117	03/03/1992	Lawrence, et al.	
	AH	US 5,112,949	05/12/1992	Vukovich	
	AI	US 5,175,087	12/29/1992	Ranby, et al.	
	AJ	US 5,395,923	03/07/1995	Bui-Khac, et al.	
	AK	US 5,413,732	05/09/1995	Buhl, et al.	
	AL	US 5,442,064	08/1995	Pieper, et al.	
	AM	US 5,453,373	09/25/1995	Gerlitz, et al.	
	AN	US 5,478,558	12/26/1995	Eibl, et al.	
	AO	US 5,516,650	05/14/1996	Foster, et al.	
	AP	US 5,831,025	11/1998	Ogata, et al.	
	AQ	US 5,962,299	10/1999	Miyata, et al.	
	AR	US 6,008,199	12/1999	Grinnell, et al.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hours Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FORM PTO 1449 (modified)	Atty. Docket No. X-11408C	Serial No
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicants Andrew David Carlson, et al.	
	Filing Date	Group

	AS	US 6,037,322	03-14-2000	Grinnell, et al.	
	AT	US 6,156,734	12/05/2000	Grinnell	
	AU	US 6,159,468	12/12/2000	Carlson, et al.	
	AV	US 6,162,629	12/19/2000	Baker, et al.	
	AW	US 6,268,337	07/31/2001	Grinnell	
	AX	US 6,268,344	07/31/2001	Grinnell	
	AY	US 6,395,270	05/28/2002	Carlson, et al.	
	AZ	US 6,426,071	07/30/2002	Grinnell, et al.	
	AAA	US 6,436,397	08/20/2002	Baker, et al.	
	AAB	US 6,489,296	12/03/2002	Grinnell	
	AAC	US SN 09/652,270		Grinnell	
	AAD	US SN 09/924,129		Grinnell	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number 4-Kind Code ⁵ (if known)				
	BA	DE 3,823,519	01/18/1990			
	BB	EP 0 314 095	05/03/1989	Lee, et al.		
	BC	EP 0 315 968	03/10/1993	Mori, et al		
	BD	EP 0 326 014	08/02/1989	Hirahara		
	BE	EP 0 445 939	05/14/1997	Berg, et al		

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	Applicants Andrew David Carlson, et al.	
	Filing Date	Group

	BF	EP 0 662 513	07/12/1995	Prouty, et al		
	BG	EP 0 726 076	08/14/1996	Miyata, et al.		
	BH	JP 01 226900	09/11/1989			
	BI	JP 07 165605	06/27/1995			
	BJ	JP 08,301,786	11/08/1996			
	BK	WO 91/12320	08/22/1991	Miyagi, et al.		
	BL	WO 95/11966	05/04/1995	Ogata, et al.		
	BM	WO 97/20043	06/06/1997	Garner, et al.		
	BN	WO 98/48818	11/05/1998	Carlson, et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published.	T ⁶
	CA	GRINNELL, et al., "Trans-Activated Expression of Fully Gamma-Carboxylated Recombinant Human Protein C, An Antithrombotic Factor," <u>Bio/Technology</u> 5:1189-1192, 1987.	
	CB	YU-CHANG, J.W. and HANSON, M.A. (1988) "Parenteral formulations of proteins and peptides stability and stabilizers" <u>Journal of Parenteral Science and Technology</u> 42(Supp): S3-S26.	
	CC	S.A. STEINER, et al., stimulation of the Amidase and Esterase Activity of Activated Bovine Plasma Protein C by Monovalent Cations" <u>Biochemical and Biophysical Research Communications</u> 94(1):340-347 (May 14, 1980).	
	CD	ESMON, C.T., "The Regulation of Natural Anticoagulant Pathways" <u>Science</u> , 235:1348-1352 (March 1987).	
	CE	SEGEL, I., "Enzyme Kinetics" (1975) Wiley Interscience, New York, pp. 884-896.	
	CF	ZEFFREN, et al., "The Study of Enzyme Mechanisms" (1973) John Wiley & Sons, New York, p. 84.	

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